3055PH-1R SERVICE NO

First Edittion

SPECIFICATIONS

Battery 9V (1) AC Adaptor 11mA at 9V 4 steps, 720° 16 sec ~ 100 msec SN ratio Over 90 dB (IHF-A) 470 kΩ Output load impedance Over $10 \,\mathrm{k}\Omega$

Gain..... UNITY 1

400 g

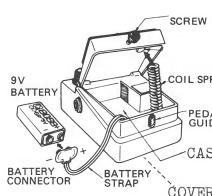
Jack HEC-0003 (13449702)

HEC-0317-1-1 (13449704) (detail on parts list)

Pot. VMlOAS15 (13229509)Knob TK-1122(2247010500)

Jack SG-7622 (13449106)

Pedal N-516 (2218051600)



COIL SPRING N-109 (2217010900)

 $3 \times 10mm$

PEDAL N-702 (2215070201)

CASE N-129 (2201012900)

COVER N-116 (2202011600) BASE N-305 (2235030500) bottom, not shown

LED SLP-135B (15029117)

Pot. VM10AS15 100KB (13229514)

Pot. VM10AS15 10KB (13229510) Knob TK-1140 (2247012500)

Jack SG-7713 (13449104)

Base N-304 (2235030400)

PARTS LIST

Parts are designated in 8-10 digits accompanied by previous 6 digit number, if had, for cross reference.

N- before abridged part number stands for NEW.

NEW	OLD	PART NAME
2201012900	066-048	Case N-129 green
2218051600	065-255	Pedal N-516 green
2202011600	065-130	Cover N-116 bottom
2235030500	111-032	Base N-305 bottom
2235030400	111-031	Base N-304 pedal matt
2215070201	068-026	Guide bushing N-702
2226030500	107-053	Cushion N-305 pcb
2216050200	065-153	Spacer N-502 pcb
2217010900	070-059	Spring coil N-109
2247010500	016-025	Knob TK-1122
2247012500	016-068	Knob TK-1140
13129710	001-295	Switch J-M0404

PCB

DEPTH

PH-1R

INPUT 4

← OUTPUT

Phaser

7521351001 Assy ET5213-510A (pcb 2291031300)

POTENTIOMETER

13229509 028-466 VM10AS15 1 MC 13229510 028-447 VM10AS15 10KB 028-450 VM10AS15 100KB 13229514

SEMICONDUCTOR 017-014

15139101 2SC945-P 15129108 017-110 transistor 15129104 017-104 2SC732TM-GR transistor 15139103A 017-016 2SK3OA(TM)-GR selected for phase see detail on back page

2SK30A(TM)-Y

15019103 018-014 1\$2473 diode 15019523 018-075 RD5.1EB-3 zener 15019547 018-039 RD11EB-3 zener LED 15029117 019-034 SLP-135B

BP MON Dual op amp 15189105 020-097 uPC4558C 15189115 020-164 TL022CP BP MON Dual op amp

JACK

009-022 HEC-0003 (w/SCO mark) 13449702

3449704 . . . HEC-0317-1-1 (HOSHIDEN)
*Differences in size: body and case's mounting hole. 13449704 Type -0003 can replace -0317 jack.

FET

20

14 ADJUSTMENT and CHECKING

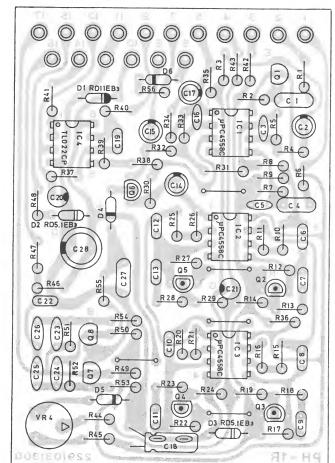
ET5213-510A (7521351001) (pcb 2291031300)

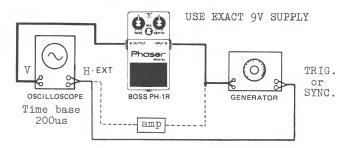
8

0

10

3



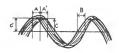


1. BIAS ADJUSTMENT



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Test Signal: 1kHz, sine -20dBm

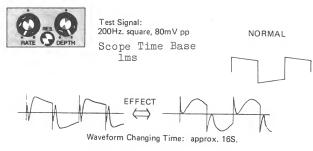


D 2,3: RD5.1EB3

D 4-6: 1S2473

Test signal can be shifted to within the range 900-1100Hz to meet the specification. Adjust VR4 for A=A' or C=C'. B=more B=more than 0.15ms. The same spec for 850-1150Hz. Turn DEPTH fcw.

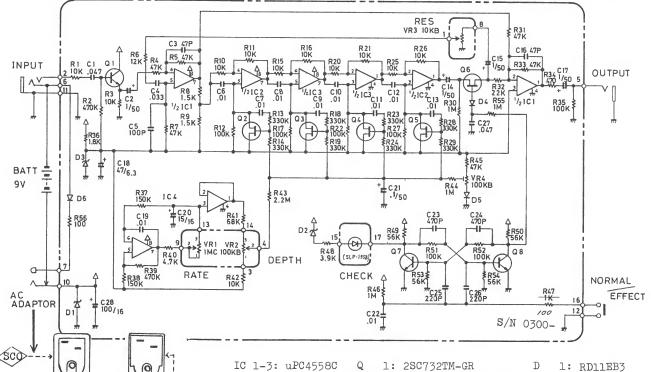
2. WAVEFORM CHECKING



Q 2-5: 2SK30A-GR selected Q 6: 2SK30A-Y

7,8: 2SC945-P

2SK30AGR's for Q2-Q5 are a set of factory selected ones; graded based on Pinch-Off, and dotted in a color of the standard code. When replacing, use the one of the same color or the closest.



IC

HOSHIDEN

HEC-0317-1-1

HEC-0003

4: TL022CP

Q Q